Dryden Research Library Newsletter "February 2001"

Dryden Research Library is located in Bldg. 4800 Room 2412. Contact us at Ext. 3702 or 3127. Check out our home page: http://www.dfrc.nasa.gov/nasa/Library/index.html. You can email Barbara Rogers or Cheryl Logan for any of your library needs. The library Newsletter is best viewed using Eudora 4.3.

New Books

The Library has received several new books:
The C Answer Book by Clovis L. Tondo, Scott E. Gimpel;
An Introduction To Numerical Weather Prediction Techniques by T.N. Krishnamurti;
Space Shuttle Orbiter Approach And Landing Test Captive Inert Flight Test Program Summary DFRC-SOD-40-1;
Biology: Life On Earth by Teresa Audesirk;
Reading The American Past by Michael P. Johnson;
Information Technology In Business by James A. Senn;
Apollo By The Numbers A Statistical Reference by Richard W. Orloff;
The Infinite Journey Eyewitness Accounts Of NASA And The Age Of Space by William E. Burrows
These titles are just a few of the books received this month.

Papers by Dryden Authors

1. Quinn, Robert D. and Leslie Gong, A Method for Calculating Transient Surface Temperatures and Surface Heating Rates for High-Speed Aircraft, NASA/TP-2000-209034, December 2000.

2. Whitmore, Stephen A., Stephanie Sprague, and Jonathan W. Naughton, "Wind-Tunnel Investigations of Blunt-Body Drag Reduction Using Forebody Surface Roughness," AIAA 2001-0252, 39th Aerospace Sciences Meeting and Exhibit, Reno, Nevada, 8-11 January 2001, also published as NASA/TM -2001-210390.

3. Murray, James E. and Paul V. Tartabini, Development of a Mars Airplane Entry, Descent, and Flight Trajectory, NASA/TM-2001-209035, January 2001.

THIS MONTH IN HISTORY

Feb. 20, 1962 - John Glenn, First American To Orbit The Earth In Mercury Capsule Friendship 7.

Feb. 12, 1962 - Flight tests begin with the Paraglider Research Vehicle (Paresev). Developed to study ways of returning Gemini and Apollo spacecraft to Earth using a hang glider-type wing. Pilot was Milt Thompson.

Feb. 15, 1990 - First of three SR-71's arrived at Dryden for a program to investigate a host of disciplines to help development of future high-speed civil and military aircraft. Two YF-12A's, prototypes of the SR-71, and a "YF-12C" (actually an SR-71) were flown at Dryden from 1970 to 1979 in an earlier high-speed program.

Feb. 3, 1994 - Final flight of an F-104 at Dryden, a symbolic farewell with NASA 826, was piloted by Tom McMurtry, Chief, Flight Operations Division. First acquired in 1956, 11 F-104's flew at Dryden over a 38-year period as chase and research aircraft. Last research mission with NASA 826 was Jan. 31, 1994. The other remaining F-104, NASA 825, was flown on its last research mission Jan 24, 1994.

Feb., 1998 - The specially instrumented DC-8 resumed flying its medium-altitude, science-gathering missions in the middle of the month following maintenance and upgrades of its satellite communications system. Already in January, one of Dryden's ER-2s flew an experiment to collect high-altitude

particulate matter. Both aircraft flew a variety of missions over widely scattered geographic regions during the rest of the calendar year to gather data about Earth science, including weather and climate.

Feb. 6, 1999 - The X-38 demonstrator for a crew return vehicle completed a successful free flight after release from the B-52 carrier aircraft.